

KAZUMOV, N., kand.tekhn.nauk

Role of nitroous substances and their transformation during the maderization of wine. Prom.Arm. 6 no.7:54-58 Jl '63. (MIRA 16:9)

KAZUMOV, N., kand.tekhn.nauk

Importance of sugar concentration and oxygen conditions in thermal
treatment of port wine-material in sealed containers. Prom.Arm. 6
no.10:41-43 0 63. (MIRA 17:1)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9

KAZUMOV, N. B.

"New Methods of Technology for the Production of Madeira-Type Wine." Cand Tech Sci,
Georgian Order of the Labor Red Banner Agricultural Inst, 2 Mar 54. Dissertation
(Zarya Vostoka Tbilisi, 21 Feb 54)

SO: Sum 186, 19 Aug 1954

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9"

11 In/5
729.85
.K2

KAZUMOV, NARIK BAGRATOVICH

Vina I Vinodel'Cheskiye Rayony Army-Anskoy SSR (Wines and Viniculture Regions in the Armenian SSR, by) N. B. Kazumov I M. P. Alaveroyan. Yerivan, Izd-Vo Akademi I Nauk Armayanskoy SSR, 1956. 129 p. Illus., Diagrs., Map, Tables. At head of title: Akademiya Nauk Armayanskoy SSR, Yerivan. Institut Vinogradarstva I Vinodeliya. Added T.-P. in Armenian. Bibliography: p. 128-129.

KAZUMOV, N.B.; AIAVARDYAN, M.B.; AKHNAZARYAN, R.N.

Madeirizing wines of varied composition. Izv.AN Arm.SSR. Biol. i
sel'khoz. nauki 9 no.9:103-107 S '56. (MLRA 9:11)

1. Institut vinogradarstva i vinodeliya Akademii nauk Armyanskoy SSR.
(MADEIRA WINE)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9

Re: CIVIL RIGHTS

The influence of some factors on the
effectiveness of the civil rights movement

Author: [unclear]
Date: [unclear]

Source: [unclear]

Subject: [unclear]

Classification: [unclear]

Declassify date: [unclear]

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9"

KAZUMOV, N.B.

Maderization of wine in a continuous flow. Biokhim. vin. no. 5:149-
163 '57. (MLRA 10:6)

1. Institut vinodeliya i vinogradarstva AN Armyanskoy SSR.
(Madeira wine)

KAZUMOV, Nairi Bagratovich; HERIDZE, G.I., prof., otv. red.;
MANUKYAN, V.O., tekhn.red.

[Technology and chemistry of madeira-type wine] O tekhnologii i khimii vina tipa madera. Erevan, Izd-vo Glav. upr. sel'khoz. nauki MSKh Arm.SSR, 1960. 286 p. (MIRA 17:3)

KAZUMZADE, N. G.

Effect of Calcium on the Structure and Properties of Stainless Austenite Steel

Special fusions of stainless austenite steel with admixture of metallic Ca were produced for studying the prevention of acicular carbide crystals formation and sulfite oxide liquation. The introduction of Ca produces a sharp change in macrostructure. A 0.2% Ca admixture decreases the zone of acicular crystallization and refines the grain. (RZhFiz, No. 8, 1955) Tr. Vses. Inzh. Tekhn. o-va Metallurgov, 2, 1954, 147-154.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

KAZUMZADE, N.G.

Effect of calcium on the crystallization conditions and properties
of medium carbon steel. Trudy Inst. fiz. i mat. AN Azerb. SSR 7:
69-76 '55. (MIRA 9:6)
(Steel alloys--Metallography) (Calcium)

KAZUN, U.

Checking the credit security in trade. Den. i kred. 21 no.10;
65-68 O '63. (MIRA 16;10)

KAZUMIN, Filipp Alekseyevich. vrach; YAGUPOV, Vladimir Timofeyevich,
zhurnalist; YARMYSH, Yu., red.; FISENKO, A., tekhn.red.

[Yevpatoriya Health Resort; advice for patients and those cared
for but not under official orders] Evpatoriia - kurort; sovety
kurortnikam i otdykhayushchim bez putevok. Simferopol', Krym-
izdat, 1960. 126 p. (MIRA 13:12)

(YEVPATORIYA--THERAPEUTICS, PHYSIOLOGICAL)

KAZUNIN, Filipp Alekseyevich; YAGUPOV, Vladimir Timofeyevich,
zhurnalist; BAYEV, Yevg., red.; FISENKO, A., tekhn.red.

[Yevpatoriya; concise regional study. Advice to health resort
visitors and those vacationing without health resort passes]
Evpatoriaia; kratkii kraevedcheskii ocherk. Sovety kurortni-
kam i otlykhushchim bez putevok. Simferopol', Krymizdat,
1963. 143 p. (MIRA 16:12)
(Yevpatoriya—Guidebooks)

KAZUNIROV, Yu. M.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9"

The Cause of Change in Magnetic Saturation of Iron-Nickel-
Aluminum High-Coercivity Alloys During Annealing. O. S. Ivanov and
Yu. M. Kazunirov. (Doklady Akademii Nauk S.S.R., 1951, 81, 35-38).
(In Russian). From experimental evidence it is suggested that during
annealing the transformation of iron into the paramagnetic phase β_2
lowers the magnetic saturation of the above alloys.— V.G.

KAZURINA, N. M.

137-58-4-6390

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 8 (USSR)

AUTHOR: Kazurina, N.M.

TITLE: Verification Tests on a Planned Procedure for Tin-tungsten Ore
(Proverochnyye ispytaniya po proyektnej skheme olevo-vol'framovoy
rudy)

PERIODICAL: Tr. Vses. Magadansk. n.-i. in-ta za 1956 g. Magadan, 1957,
pp 105-110

ABSTRACT: Laboratory tests were run to confirm the beneficiation of slimes in accordance with a developed procedure subsequent to separation into classes by size. Crushing of the Sn concentrate and froth flotation to separate the sulfides was omitted from this procedure, and gravitational flotation, offering the possibility of extraction of Bi as a by-product, was employed instead. The primary ore minerals in the specimen were wolframite, cassiterite, and arsenopyrite. Comparative tests of the initial ore, with different starting sizes (-6 and -25 mm) established that the difference in the extraction of WO_3 and Sn in gravitational processes was about 1.5 percent in each case. Experiments in the beneficiations of slimes were performed on various schedules. Both sluices and

Card 1/2

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CIA-RDP86-00513R000721410016-9

Verification Tests on a Planned Procedure for Tin-tungsten Ore

concentration tables were used, and the materials fed them included ores with and, separately, without fine slimes, and also ores classified to within a narrow interval. The last-named operation proved undesirable. A process of concentration by flotation employing the material in its original size was tested for fining and selective separation of gravitational concentrates. The tests yielded commercial levels of extraction in the various concentrates (in percent): WO_3 81.5-82, Sn 85-87, and As \approx 50.

1. Ores--Processes 2. Flotation--Applications

A. Sh.

Card 2/2

KAZURINA, N.M.

137-58-5-8741

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 3 (USSR)

AUTHOR: Kazurina, N.M.

TITLE: Control of the Jigging Process for Large Classes of Ore at Plant Nr 31 and Establishment of a Rational System for Their Processing (Regulirovka rezhimov otsadki krupnykh klassov rudy na fabrike Nr 31 i ustanovleniye ratsional'noy skhemy ikh obrabotki)

PERIODICAL: Tr. Vses. Magadansk. n.-i. in-ta za 1956 g. Magadan, 1957,
pp 117-121

ABSTRACT: The operation of jigging machines was studied in three series of experiments: on machines equipped with sieves, on machines without sieves or partitions, and on machines equipped with partitions. Best results were obtained with jigging machines equipped with sieves. The extraction into gravitational concentrates increased while the WO₃ content of the tailings decreased from 0.052 percent to 0.039 percent. Comparative tests, performed on the intake end of the machine, established that final results of the concentration processes are practically identical even at different initial particle size (-16 mm and -6 mm).

Card 1/2

137-58-5-8741

Control of the Jigging Process for Large Classes of Ore (cont.)

Additional processing of the plant's sulfide concentrate in accordance with a procedure calling for flotation, concentration of the cell product on a concentration table, and magnetic separation of that concentrate, made it possible to separate out a W-concentrate containing 32 percent WO_3 at a degree of extraction equivalent to 73 percent of the reserve in the sulfide product, or approximately to 1.7-1.8 percent of the ore.

A. Sh.

1. Ores--Processing

Card 2/2

KAZUROVNA N. M.

SOV/137-58-9-18281

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 8 (USSR)

AUTHORS: Kuznetsov, G.G., Kazurina, N.M.

TITLE: Concentration of Complex Tin-Lithium Ore (Obogashcheniye kompleksnoy olovo-litiyevoy rudy)

PERIODICAL: Tr. Vses. Magadansk. n.-i. in-ta-1 M-va tsvetn. metallurgii SSSR, 1957, division 4, Nr 18, 20 pp, ill.

ABSTRACT: The results of the investigation of the feasibility of the concentration of Sn-Li ore are reported. The content of useful Sn minerals, cassiterite and stannite, amounts to 0.42 and 0.06%, respectively. The Li minerals are lepidolite 4.6% and amblygonite 0.23%. The systems proposed are: 1) Combined gravitation - flotation; 2) magnetic separation of the whole ore, flotation of the nonmagnetic fraction, and finishing on tables. In the latter system dry grinding to 0.4 mm and also dry magnetic separation is carried out with the purpose of extraction of the Li concentrate. The more practicable version of the systems mentioned is the one conducted according to the scheme: flotation - concentration. For this, the ore is milled to 0.2-mm particle size, whereupon the Sn concentrate is separated by flotation.

1. Lithium tin ores--Processing
2. Tin--Separation I. M.
3. Ores--Flotation

Card 1/1

SOSNOVSKIY, Nikolay Pavlovich; KAZURINA, Nadezhda Mikhaylovna; SHILO,
N.A., otv.red.; POTEKIN, S.V., zam.otv.red.; ALEKSANTROV, P.P.,
red.; KUZNETSOV, G.G., red.; MATSUYEV, L.P., red.; MUZHIDIM, I.I.,
red.; FIRSOV, L.V., red.; FOMENKO, T.G., red.; SHAHHNAROVICH, L.A.,
red.

[Treatment of hard to concentrate tin-tungsten ores] Obrabotka
trudnoobogatimoi olovianno-vol'framovoi fudy. Magadan, 1958. 26 p.
(Magadan, Vsesoiuznyi nauchno-issledovatel'skii institut zolota i
redkikh metallov. Trudy. Obogashchenie i metallurgiya, no.28).
(MIRA 13:4)

(Tin ores) (Tungsten ores) (Ore dressing)

KORIN, M.M.; SPIRIDONOVA, Ye.N.; KAZUNINA, V.S. (Minsk)

Publication of the method of treating patients with multiple sclerosis with their own cerebrospinal fluid. Vrach. delo no.3:
89-92 Mr '64.
(MTRA 17:4)

1. Belorusskly institut nevrologii, fizisterapii i neyrokhirurgii
(nauchnyy rukovoditel' - akademik AN BSSR D.A. Markov) i Belo-
russkiy institut epidemiologii, mikrobiologii i gigiyeny.

L 3578-66 EWP(e)/EPA(s)-2/EWT(m)/EPF(c)/EWP(i)/EWP(v)/EWP(j)/EPA(w)-2/T/EWP(t)/
ACCESSION NR: AP5024911 EWP(k)/EWP(b)/EMA(c)/ETC(m)UR/0032/65/031/010/1197/1199
ZJP(c) JG/RM/WH/HW/JD/NW 536.2.08

AUTHOR: Pyatnitskiy, V. N.; Kazurov, B. K.

TITLE: Using thermographic analysis to study the metallization of ceramics in
industrial furnaces

SOURCE: Zavodskaya laboratoriya, v. 31, no. 10, 1965, 1197-1199

TOPIC TAGS: thermogram, thermal analysis, metal cladding, ceramic material, ceramic
to metal seal

ABSTRACT: Differential thermal analysis is used for studying the various physical
and chemical transformations and processes which accompany molybdenum-manganese
metallization of alumina-rich ceramics in a TsEP-241 furnace using two tungsten-
molybdenum thermocouples. A diagram of the thermographic unit is shown in fig. 1
of the Enclosure. The specimen to be examined 2 and the reference sample 3 were
placed on the thermocouple junctions 1. Ceramic block 4 with nickel coating 5 main-
tains uniform heat transfer in the cavity of the thermographic unit. A galvanome-
tric pyrometer records the thermal processes in time-temperature and time-tempera-
ture-difference coordinates. The specimens were made in the form of small crucibles

Card 1/4

L 3578-66

ACCESSION NR: AP5024811

with an outside diameter of 8 mm, an inside diameter of 2 mm, and a bottom 200-300 μ in thickness. The thermocouple junctions were fitted rather tightly into the samples and made uniform contact with the bottoms of the reference and test samples. Thermograms are given for reference specimens and the metallization process in fig. 2 of the Enclosure. Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 02

SUB CODE: MT, MM

NO REF SOV: 002

OTHER: 000

Card 2/4

L 3578-66
ACCESSION NR: AP5024811

ENCLOSURE: 01

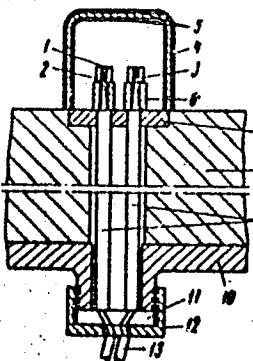
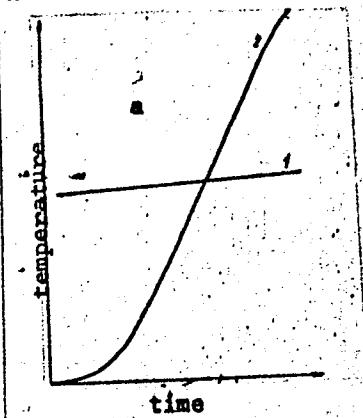


Fig. 1. Diagram of the thermographic unit: 1--thermocouple junction; 2--test specimen; 3--reference specimen; 4--ceramic cover; 5--nickel coating; 6--ceramic insulation support; 7--ceramic disc; 8--ceramic support for the furnace; 9--ceramic tubes for the thermocouples; 10--furnace bottom; 11--rubber gasket; 12--adjustment nut; 13--insulation tubes for the thermocouples.

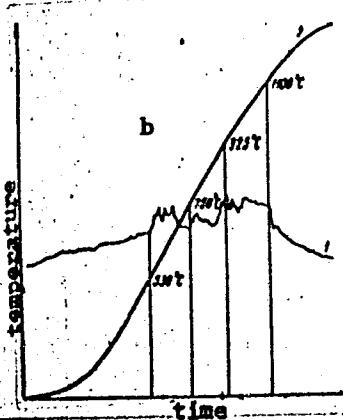
Card 3/4

L 3578-66

ACCESSION NR: AP5024811



Card 4/4



ENCLOSURE: 02

Fig. 2. a--Control thermogram for two reference specimens: 1--temperature difference; 2--temperature; b--thermogram of the metallization process: 1--temperature difference; 2--temperature.

KAZUROV, I. S.

Calves - Omsk Province

Raising calves in unheated buildings on state and collective farms of Omsk Province.
Sots. zhiv. 15, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

83831

S/135/60/000/010/018/018/XX
A006/A001

26.2150

AUTHOR: Kazurov, L. I.

TITLE: Electric Ignition for the Lighting of Gas Burners

PERIODICAL: Svarochnoye proizvodstvo, 1960, No. 10, p. 33

TEXT: The author has designed in 1956 an electric device for the ignition of a gas burner operating as follows: Tapered carbon electrodes are heated to incandescence by short-circuiting. If the burner contacts a perforated tube and the feed valves are opened, the mixture flowing out of the burner nozzle penetrates into the chamber through the apertures and a flash is produced. The abrupt raise of pressure in the chamber during the flash causes the ejection of hot gases through the apertures of the perforated tube ensuring ignition of the burner. A 0.15 kva step-down transformer is used as a feed source. A stationary and a portable ignition device, both of them operating on the same principle, are shown in Figures 2 and 3. The devices are easy to manufacture and inexpensive.

W

Card 1/2

S/107/61/000/010/007/007
D201/D304

AUTHOR: Kazus', I., Engineer

TITLE: Automatic photoprinting

PERIODICAL: Radio, no. 10, 1961, 51-52

TEXT: This is a description of an electronic device for determining the required exposure time for black and white photoprinting. The principle of the device is based on measuring the illumination as obtained from the least dark, but most relevant detail of the negative by projecting it onto the printing desk. The illumination is measured by a photometer using the $\phi C - K1$ (FS-K1) photocell. The maximum error in exposure time which can be introduced by the device is 5 - 10% for exposures of the order of 2 min. The circuit diagram of the device is given. It incorporates an extra-sensitive polarized relay type PII-4 (RP-4). The rectifier consists of a single diode D₁ type D7K (D7Zh). The operation of the device is then described. The change of the limits of exposure time is achieved by switching into position "semi-auto" and by choosing with the help of a switch the

Card 1/2

KAZUSHCHIK, V.A.; VOROTYNSKIY, V.V.

Construction of cycles in a "Minsk-1" electronic computer. *Vestsi*
AN BSSR. Ser. fiz.-tekhn. nav. no.2;20-25 '64.

(MIRA 18:1)

ZHEERAK, A.R.; NIKOL'SKIY, Yu.K.; KAZUSHCHIK, V.G.

Characteristics of 56-chromosome amphidiploid wheat forms.
Biul. Inst. biol. AN BSSR no.5:280-288 '60. (MIRA 14:7)
(WHEAT BREEDING)

NIKOL'SKIY, Yu.K.; KAZUSHCHIK, V.G.

Materials on the study of the inheritance of quantitative
characters in amphidiploid lines. Biul. Inst. biol. AN BSSR
no. 5:299-309 '60. (MIRE 14:7)

(WHEAT BREEDING)

KAZUTA, I.

Increasing the sensitivity of television sets. Radio no.10:31
0'55. (MLRA 9:1)
(Television--Receivers and reception)

L 36658-65 EWT(1)/EEC-4/EWA(h) Feb

REF ID: A67386

N. N. Kazutina, I.

shf band filter. Class 21, No. 16654.

Publileten' izobreteniy i tovarnykh znakov no. 4, 1965, 46-47

Filter, shf band filter, reed type, consisting of two

This Author's Certificate indicates, that a reed type filter consisting of two
reeds, mounted along the generator, with a central magnetic gap, and a
magnetic gap, a series of contacts, and a central magnetic gap, and a
series of contacts, and a central magnetic gap, and a central magnetic gap,

Organizatsiya gosudarstvennoi promstoyaniia po elektronike (OGEP)
1965, 46-47

REF ID: A67386

OTHER

ATT. PRESS: 3221

Card 1/1

KAZUTO, I.O.

RATNER, Ye.I.; KOLOSOV, I.I. [deceased]; UKHINA, S.P.; DOBROKHOTOVA, I.N.;
KAZUTO, I.O.

Assimilation of amino acids by plants as a source of nitrogen. Izv.
AN SSSR. Ser.biol. no.6:64-82 N-D '56. (MLRA 10:1)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva Akademii nauk
SSSR.

(AMINO ACIDS) (PLANTS--ASSIMILATION)

VILYANSKIY, M.P., kandidat meditsinskikh nauk.; KAZUTO, M.M.

Perforation of the small intestine. Vest. khir. 77 no.1:118-120
Ja '56 (MLRA 9:5)

1. Iz khirurgicheskogo otdeleniya (zav.-M.P. Vilyanskiy)
Zhukovskoy gorodskoy bol'nitny (Moskovskaya oblast')
(INTESTINE, SMALL, neoplasms
Hodgkin's dis. causing perf., surg.)
(HODGKIN'S DISEASE
small intestine, causing perf., surg.)

KAZUTO, O.N.

USSR/ Plant Physiology. Mineral Nutrition.

I

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29390.

Kolosov, I.I.,

Author : Ratner, Ye.I., Ukhina, S.F., Dobrokhotova, I.I.,
Kazuto, O.N.Inst : Institute for Plant Physiology of the Academy of
Sciences USSR.Title : Plant Amino Acid Intake as a Source of Nitrogen.
(Ob usvoyenii rasteniyami aminokislot v kachestve
istochnika azota.

Orig Pub: Izv. AN SSSR, ser. biol., 1956, No 6, 64-82.

Abstract: At the institute for Plant Physiology of the
Academy of Sciences USSR experiments were made
with corn and sunflower in sterile cultures ac-
cording to Shulov's Method modifying that of
Federov. Glycine, aspartic and glutamic acids
and arginine were taken in by the corn and sun-
flower plants, but their effectiveness was con-

Card 1/2

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9

I-1

USSR/Plant Physiology - Photosynthesis.

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19920

Author : Dvorotskaya E.I., Kazuto, O.N.-

Inst :

Title :

The Influence of Soil Humidity on the Accumulation of
Dry Substance, the Amount of Chlorophyl and Soluble
Hydrocarbons in One-Year and Two Year Old Seedlings of
the Common Elm and Brithis Oak.Orig Pub : Vest. Mosk. un-ta, ser. biol., pochvoved., geol., geogr.,
1957, No 1, 105-111Abstract : The experiments were carried out in 1952-1953 in Moscow
State University. The plants were raised in vegetation
vessels at a soil moisture of 40%, 60% and 80% of full
moisture capacity. In one-year seedlings of the common
elm the greatest height and accumulation of dry substan-
ce were observed at 80% of soil moisture, in the two-
year seedlings- at 60%, and in the oak- at 60% of mois-
ture in the first 2 years of life. The lowering of soil

Card 1/2

Chair of Plant
Physiology, Moscow State Univ.

DVORETSKAYA, Ye.I.; KAZUTO, O.N.

Some specific features of the water cycle in one- and two-year-old
seedlings of elm and English oak. Fiziol. rast. 5 no.4:363-365
Jl-Ag '58. (MIRA 11:8)

I. Kafedra fiziologii rasteniy Moskovskogo gosudarstvennogo universi-
teta.

(Oak) (Elm) (Plants-Transpiration)

CHIKHACHEVA, G.M.; KAZUTO, O.N.; DANILOVA, N.S.

Utilization of phosphorus taken by plants via roots or leaves.
Izv. AN SSSR. Ser. biol. 27 no.1 Ja-F '62. (MIRA 15:3)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR.
(PLANTS—NUTRITION)
(PLANTS, EFFECT OF PHOSPHORUS ON)

Kazyakin, A. N.

Subject : USSR/Electricity

AID P - 2957

Card 1/1 Pub. 29 - 7/35

Authors : Kazyakin, A. N., and B. M. Kontorov, Engs.

Title : Increasing the time of service of the guard plates of
the flue system

Periodical : Energetik, 5, 12, My 1955

Abstract : Abnormal wear of the covering of flue systems was
observed by the authors at an electric power station
working on turf fuel. They used OI-1 and OI-2 types
of guard plates with satisfactory results.

Institution : None

Submitted : No date

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9"

KAZ'YAKOVA, K.Ya.

Results of calibrating the GAE-3 gravimeters. Izv. AN SSSR.
Ser. geofiz. no.3:368-380 Mr '62. (MIRA 15:2)

1. AN SSSR, Institut fiziki Zemli.
(Gravimeter (Geophysical instrument))

KAZ'YANOV, V.M., kandidat tekhnicheskikh nauk.

Laminar flow of liquid through a round straight rotating pipe. Trudy
MNI no.11:144-170 '51. (MIRA 10:3)
(Hydrodynamics)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9

ZAYTSEV, Ye.N.; ZLOTNIKOV, G.G.; KAL'MANSON, V.A.; KAZ'YANOV, V.V.;
SHCEGOLEV, L.P.

"EKA-2" dual electronic copying device. NTI no.12:47-50 '63.
(MIRA 17:6)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9"

SHARIPOV, V. Sh.; KAZYBEKOV, D. M.

Use of self-propelled equipment in mining inclined deposits of the
Mirgalimsai type. Izv. AN Kazakh. SSR. Ser. gor dela no.1:30-39
'60. (MIRA 13:10)

(Mirgalimsai region--Ore deposits)
(Mining machinery)

SHARIPOV, V.Sh.; KAZYBEKOV, D.M.

Determining the optimal length of panels in the mining of
inclined Mirgalimsay-type deposits and using railless
transportation equipment. Trudy Inst. geor. dela AN Kazakh.
SSR 13:163-167 '64. (MIRA 17:7)

SHARIPOV, Vakhit Sharipovich; MUZGIN, Sergey Spiridonovich; BUPEZHANOV,
Mukhit Kuldzhanovich; TKACHENKO, Artem Mikhaylovich; ARTAMONOVSKIY,
Oleg Yur'yevich; KULAKOV, Arkadiy Yakovlevich, Prinimali uchastiye:
KAZYBEKOV, D.M.; IBRAYEV, Sh.I.; ISTOMIN, S.N., oty.red.; GEYMAN, L.M.,
red.izd-va; SIFIAGINA, Z.A., red.izd-va; SAL'TSOVSKIY, M.S., red.izd-va;
MAKSIMOVA, V.V., tekhn. red.

[Self-propelled machines for underground workings of ore deposits] Sa-
mokhodnye mashiny dlia podzemnoi razrabotki rudnykh mestorozhdenii.
By V.Sh.Sharipov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gor-
nomu delu, 1961. 258 p. (Mining machinery)

KAZYBEKOV, D.M.

Determination of the stability of self-propelled machines as
applied to the conditions in the Mirgalimsay Mine. Izv.AN Kazakh.
SSR.Ser.gor.dala no.2:45-50 '61. (MIRA 15:2)
(Mirgalimsay region—Mining machinery)

SHAIPOV, V.Sh.; KAZYBEKOV, D.M.

Height of the level in mining inclined drifts with the use of self-propelled equipment. Trudy Inst.gor. Akad. AN Kazakh.SSR 14:48-52 '64.
(MIRA 18:1)

KAZYBEKOV, D.M.

Performance of continuous loaders with various types of drives
depending on the angle of inclination of the excavation floor.
Trudy Inst. gor. dela AN Kazakh. SSR 17:74-76 '65. (MIRA 18:9)

KASYBEKOV, M.T.

Industrial trust on the upswing. Transp. stroi. 15 no. 2 all-13
(MIRA 18:3)
F '65.

1. Nachal'nik tresta Kazakhtransstroy.

KAVYDUB, G.; ULITSKIY, Z.

Machine for removing horns. Min. ind. SSSR 32 no. 5:41-42 '61.
(MIRA 14:11)

1. Luganskiy myasokombinat.
(Slaughtering and slaughterhouses—Equipment and supplies)

KAZ'YER, O.V.; MAL'KOVA, N.V., tekhnicheskiy redaktor

[Standard designs for highway structures] Tipovye proekty sooruzhenii na avtomobil'nykh dorogakh. Moskva, Avto-transizdat.
No.15. [Construction of earth roadbed reinforcements with sample plans] Konstruktsii ukrepleniia zemlianogo polotna s primerami proektirovaniia. 1955. 64 p. (MLRA 9:3)

1. Soyuzdorprojekt, Moscow,
(Road construction)

KAZYKHMJOV, N.S.

Pulmonary tuberculosis in patients with atherosclerosis. Sov.
med. 28 no.8:37-44 Ag '65. (CIA 1#;9)

1. Kafedra tuberkuleza (zav. - prof. I.Ye.Kochneva) II Moskovskogo meditsinskogo instituta imeni Pirogova.

KAZYM, G.

KAZYM, G. - "Investigation of the Working Process of a Gas Transportation Engine with Internal Mixture-formation Using Liquefied Gas." Acad Sci USSR, Laboratory for Engines, Moscow, 1955 (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955; Moscow

BELKIN, A.; BORISOV, A.; GENIN, B.; GUSLITSER, I.; GRUZDEV, V.; DICH,S.;
DUSEYEVA, Ye.; YEGOROVA, A.; ZAK, S.; KAZYMOV, A.; KRUPENNIKOVA,Ye.;
KONKIN, A.; MOGILEVSKIY, Ye.; PAKSHVER, A.; SMELKOV, G.;
CHICHKIANI, A.; CHUGUNOV, K.; SHIFRIN, L.; YUNOVICH, E.

Sergei Alekseevich Tairov. Khim.volok. no.3:79 '62.
(MIRA 16:2)
(Tairov, Sergei Alekseevich)

L 13821-63 BDS
ACCESSION NR: AP3004679

s/0286/63/000/006/0049/0049

52

AUTHOR: Simkin, A. B.; Shevchenko, G. I.; Kazymov, A.; Kolesnikov, N. N.;
Kazakov, A. A.; Savin, G. P.

TITLE: Automatic temperature-regulating device.¹⁰ Class 42, No. 153622

SOURCE: Byul. izobret. i tovarnykh znakov, no. 6, 1963, 49

TOPIC TAGS: automatic temperature regulation, temperature regulator, thyratron, temperature control

ABSTRACT: This automatic temperature-regulating device consists of temperature sensors, a multipoint regulating device, and thyratrons (e.g., semiconductor type) connected to the power circuit of the heating elements. To simplify the design without loss of accuracy, both the pulse transformer and choke coil are connected to the circuit which regulates the firing mode of the thyratrons. One field winding of the choke coil is connected to the regulating device, and two others are connected to the circuit for voltage fluctuation compensation in the network.
Orig. art. has: 1 figure.

ASSOCIATION: none

Card 1/3

GREYSUKH, M.V.; YERMILOV, A.A.; ZALESSKIY, Yu.Ye.; KAZYMOV, A.A.;
KATSEVICH, L.S.; KIRPA, I.I.; KIREYEV, M.I.; KNYAZEVSKIY,
B.A.; KOFRMAN, K.D.; KRZHAVANIK, L.V.; KUZNETSOV, P.V.;
MOROZOV, K.S.; RAKOVICH, I.I.; RYABOV, M.S.; SVENCHANSKIY,
A.D.; SOKOLOV, M.M.; SYCHEV, L.I.; TVERDIN, L.M.; KHEYFITS,
M.E.; SHULIMOV, Ye.V.; EPSHTEYN, L.M.; SHCHEGOL'KOV, Ye.I.;
TSAPENKO, Ye.F.; FEDOROV, A.A., glav. red.; SERBINOVSKIY, G.V.,
red.; BOL'SHAM, Ya.M., red.; BRANDENBURGSKAYA, E.Ya., red.;
TVERDIN, L.M., red.; FRIDKIN, L.M., tekhn. red.

[Handbook for power engineers of industrial enterprises in
four volumes] Spravochnik energetika promyshlennyykh pred-
priatii v chetyrekh tomakh. Moskva, Gosenergoizdat.
Vol.2. [Electric-power supply (conclusion), use of electric
power and electrical equipment in some branches of industry]
Elektrosnabzhenie (okonchanie), priemniki elektroenergii i
elektrooborudovanie nekotorykh otraspeli promyshlennosti. Pod
obshchei red. A.A.Fedorova (glav. red.), G.V.Serbinowskogo i
IA.M.Bol'shama. 1963. 880 p. (MIRA 16:7)
(Power engineering—Handbooks, manuals, etc.)
(Electric power distribution)

KAZYMOV, A.A.

Ionic frequency converter in the synthetic fiber industry. Khim.
volok. no.5:50-53 '59. (MIRA 13:4)

1. Gosudarstbennyi institut po proyektirovaniyu predpriyatiy
iskusstvennogo volokna (GIPROIV).
(Textile fibers, Synthetic) (Frequency changers)

ABASOV, M.T.; DZHALILOV, K.N.; KAZYMOV, A. Sh.

Using the adjoint differential equation method for solving problems
on gas flooding. Trudy AzNII DN no.9:281-285 '60. (MIRA 14:5)
(Gas, Natural)

KAZYMOV, A.Sh.

Displacement of oil boundary toward a circular battery.
Nauch.-tekhn.sbor.po dob.nefti. no. 14:50-52 '61.
(MIRA 17:6)

KAZYMOV, A.Sh.

Gas displacement by elastic fluid. Nauch.-tekhn. sbor. po dob.
nefti no.15:17-20 '61. (MIRA 15:9)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po
pererabotke nefti.
(Gas, Natural)

KAZIMOV, A.Sh.

Movement of the water-oil interface toward a circular group of wells in the case of a nonuniform flow. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk no.6:139-144 '62. (MIRA 16:6)
(Oil field flooding)

KAZYMOV, A.Sh.

Nonsteady flow of elastic fluid to rectilinear galleries in
the presence of distributed outlets. Nauch.-tekhn. sbor. po
dob. nefti no.17:12-16 '62. (MIRA 17:8)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

KAZYMOV, A.Sh.; PILATOVSKIY, V.P.

Capillary pressure jump overcomes the paradox of displacement of
the interface of ponderable fluids. Dokl. AN ~~Azerb.~~ SSR 19
no.4:17-22 '63. (MIRA 16:12)

1. Institut razrabotki neftyanykh i gazovykh mestorozhdeniy AN
Azerbaydzhanskoy SSR. Predstavлено akademikom AN Azerbaydzhanskoy
SSR S.M.Sultanovym.

KAZYMOV, A.Sh.

Determination of a capillary pressure jump at the interface of
two ponderable fluids on the basis of observed values of the
traveling speed. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn.
nauk no.4:121-125 '63. (MIRA 16:12)

KAZYMOV, A.Sh.

Generalization of V.P. Pilatovskii's problem. Izv. AN Azerb. SSR.
Ser. fiz.-mat. i tekhn. nauk no. 5:43-49 '63. (MIRA 17:3)

KAZYMOV, A.Sh.

Solution of the problem of stationary fluid inflow to a system
of wells in the rectangular element of the pattern flooding of
a uniform reservoir. Izv. vys. ucheb. zav.; neft' i gaz 6 no.10:
86 '63. (MIRA 17:3)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9

KAZYMOV, A.Sh.

Displacement of the water-oil interface of a round battery of wells.
Nauch.-tekhn. sbor. po dob. nefti. no.20:20-24 '63.

(MIRA 17:6)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9"

KAZYMOV, A. Sh.; FILATOVSKIY, V.P.

Displacement of the oil-water interface to a linear line of wells
in an inclined layer. Trudy VNII no.40:157-166 '63 (MIRA 17:7)

KAZYMOV, A.Sh.

Determining the capillary pressure jump at the interface of two
weighable liquids from observations of the rate of displacement.
Nauch.-tekhn. sbor. po dob. nefti no.22:23-26 '64. (MIRA 17:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

KAZYMOV, A.Sh.

Solving problems of the steady fluid inflow to a system of wells in
the rectangular element of the pattern flooding of a uniform bed.
Nauch.-tekhn. sbor. po dob. nefti no.24:67-73 '64. (MIRA 17:10)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

KUKHTIN, V.A.; KAZYMOV, A.V.; VOSKOBOYEVA, T.N.

Synthesis of phosphocyanine dyes. Dokl. AN SSSR 140 no.3:601-604
S '61. (MIRA lit.9)

1. Kazanskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
kinofotoinstituta. Predstavлено академиком B.A. Arbuzovym.
(Cyanines) (Dyes and dyeing)

L 28469-66 EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HM/HW

ACC NR: AP6010138 (N) SOURCE CODE: UR/0125/66/000/003/0007/0010

AUTHOR: Kasatkin, B. S.; Kazymov, B. I., Onopriyenko, V. P.

ORG: Institute of Electric Welding im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki im. Ye. O. Patona AN UkrSSR)

TITLE: Resistance butt welding of thick-walled tubes of heat-resistant steels

SOURCE: Avtomicheskaya svarka, no. 3, 1966, 7-10

TOPIC TAGS: steel, resistance welding, butt welding, flash welding, metal tube / / 12Kh1MF Cr-Mo-V steel

ABSTRACT: Normally resistance butt welding is confined chiefly to small-diameter tubes (up to 100 mm) with wall thickness of not more than 5 mm, because of its high power requirement, irregular heating of the metal and the need to use unique machines weighing as much as 100 tons and more. In this connection, the authors show that these technical difficulties may be largely overcome by resorting to continuous flash welding with programmed control of principal parameters, as illustrated by the results of the experimental continuous flash welding of plates of 12Kh1MF steel 20-60 mm thick with a cross sectional area of 3000-12,000 mm² and tubes of 273x38 mm diameter. (chemical composition of 12Kh1MF steel: 0.17% C, 0.44% Mn, 0.37% Si, 1.05% Cr, 0.3% Mo, 0.27% V). The welded tube joints were tested with satisfactory results for

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UDC: 621.791.762:621.9.462

L 28469-66

ACC NR: AP6010138

static bending, tension, impact strength, and stress-rupture strength at high temperatures (585°C). Of the various types of heat treatment tested, normalizing at 940°C for 30 min proved to be most effective, as it increased impact strength to 11.2 kg-mm/mm^2 . The welding regimes were based on standard programs for variation in voltage and welding rate (Fig. 1) employed in the continuous resistance flash welding of low-

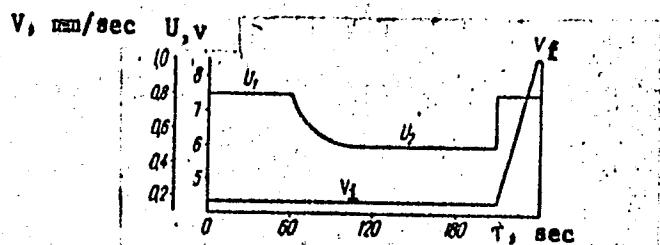


Fig. 1. Programs of variation in voltage and welding rate during the welding of tubes with 273-38 mm diameter:

U_1 - initial voltage; U_2 - minimal voltage; v_i - initial fusion rate;
 v_f - final fusion rate.

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ACC NR: AP6010138

STO

-carbon steel products with a large cross-sectional area. Since the removal of internal flash caused special difficulty, a device was developed for this purpose: prior to welding, steel cups for collecting the spattered metal are inserted in the tube at a distance of 20-30 mm from the butts to be joined; a hydraulically operated cutting device attached to the steel cups shears off and removes the flash. The welded joints thus obtained are of a strength that is uniform and virtually the same as that of the base metal, and this whole technique is distinguished by its low power requirement, high productivity, and assurance of stable quality. Orig. art. has: 6 figures, 1 table.

SUB CODE: 11, 13/ SUBM DATE: 25Mar65/ ORIG REF: 003/

Card 3/3 L.C.

OKUNTSOV, M.M.; KAYTANOV, P.P.

Localization of the rhythmical movement of bean leaf. Nauch.dokl.vys.
shkoly; biol.nauki no.3:130~133 '65. (MIRA 18:8)

1. Rekomendovana kafedroy fiziology i biokhimii rasteniy i
problemnoy laboratoriyey fotosintesa Tomskogo gosudarstvennogo
universiteta im. V.V.Kuybysheva.

BURMISTROV, Vasiliy Georgiyevich; VINOGRADOV, Vasiliy Ivanovich;
KAZYMOV, Vladimir Nikolayevich; KOSTIN, Vasiliy
Yelizarovich; MARKOV, Arkadiy Semenovich; EYDERMAN,
Pinkhus Moiseyevich; ZHERENKOV, Ye.V., red.

[Collection of problems on the organization and technique
of trade] Sbornik zadach po organizatsii i tekhnike torgovli.
Moskva, Ekonomika, 1965. 174 p. (MIRA 18:6)

KAZYMOV, V. Z. and NIKOLAYEV, V. I.

"On the Formation of Spikes of the Schoenite Parting from the Constituents"
Dokl. AN SSSR, 51, No.6, 1946

Astrakhan Inst. Fish Economy and Industry

ACC.NR: AP6036063

(A/N)

SOURCE CODE: UR/0432/66/000/005/0034/0035

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410016-9"

AUTHOR: Kazyrbayev, R. A. (Candidate of technical sciences); Pavlenko, K. V.

ORG: none

TITLE: High speed digital phase shifter

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 5, 1966, 34-35

TOPIC TAGS: phase shifter, transistorized circuit, digital system

ABSTRACT: A digital phase shifter developed by the Leningrad Electrotechnical Institute is described. The device makes possible the direct transformation digital control information into a corresponding discrete phase shift in the reference sequence of pulses without intermediate analog operations. Its advantage over an analog device consists of high speed, absence of contact elements, high stability, low energy and much higher reliability. The schematic diagram of the device which utilized 20 transistors is presented showing all circuit components and their values. The phase shifter operates with reliability when the input pulses have a repetition rate of 5 Mc, an amplitude of 7 volts and pulse duration of 75 nanoseconds. The output pulses have an amplitude of 8 volts and a duration of 100 nanoseconds with a rise time of 40 nanoseconds. The switching time is less than 100 nanoseconds. Orig. art. has: 2 figures.

SUB CODE: 09/ SUBM DATE: none

UDC: 621.372.852.22

24.2110, 24.2200, 24.7900,
16.8100, 5(4)

76969
SOV/56-37-6-9/55

AUTHORS: Avvakumov, V. I., Garif'yanov, N. S., Kazyrev, B. M.,
Tishkov, P. G.

TITLE: Paramagnetic Resonance and Paramagnetic Relaxation in
Electrolyte Solutions

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki,
1959, Vol 37, Nr 6, pp 1564-1569 (USSR)

ABSTRACT: Measurements were made of the paramagnetic resonance
and paramagnetic relaxation in aqueous solutions of
 MnO_3 , $MnCl_2$, $Cr(NO_3)_3$, and $Cu(NO_3)_2$. An analysis of the
experimental results showed that the complex $Cu^{2+}Y_6$ has
a structure of bipyramid stretched in the direction of
one of the symmetry axes of the fourth order (cf.
V. I. Avvakumov, Zhur. eskp. i teoret. fiz., 37, 1017,
1959). This effect for the hexahydrate complex in liquid
solutions is dynamic in nature (cf. B. M. Kozyrev,
Faraday Soc. Discussions, 19, 135, 1955). This means that

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Paramagnetic Resonance and Paramagnetic Relaxation in Electrolyte Solutions

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SOV/56-37-6-9/55

in a given position of the ligand along the axes in a rectangular system of coordinates, the bipyramidal complex can be stretched in the direction of any three coordinates of the axes. All states in this case are energetically identical. In order to pass from one state into another, the system must overcome a potential barrier, which for the hexahydrate complex

$\sim 1000 \text{ cm}^{-1}$. It was calculated that the transfer proceeds at a frequency of $\sim 10^{11} \text{ sec}^{-1}$. At the same frequency the returning of the electron density of the magnetic ion also takes place. This leads to an averaging of the g-factor. The electric field of the violet modification of the salt $[\text{Cr}(\text{H}_2\text{O})_6]^{3+}$ has in the main a cubic symmetry which, because of the effect of the particles of the second coordinational medium, contains an admixture of the fields of lower symmetry. The fluctuation of the fields caused by these particles is sufficiently slow. The existence of such fields was confirmed by comparing the observed

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width of lines in solutions with the period of the spin-lattice relaxation for 0.1 M solutions of Cr^{3+} ($\Delta H = 200 \text{ G}$, $\rho_1 \sim 10^{-8} \text{ sec}$). These fields are weaker than the axial fields in solid chromium alum, because the total spectral width in powdered alum is considerably wider than the width of a single line observed in solutions. In the green modification of Cr^{3+} salts, the paramagnetic resonance line is still wider because the complex $[\text{Cr}(\text{H}_2\text{O})_4\text{X}_2]^+$ is less symmetrical. The magnetic complexes of Mn^{2+} in diluted solutions have nearly a pure cubic symmetry, whereas in nonaqueous MnCl_2 solutions there were observed very wide resonance lines at a given relaxation period. This was explained by the presence of a strong axial component of the crystal field, which is caused by the presence of ionic molecules of the type $\text{X}^- - \text{Mn} - \text{X}^-$. The experimental values ρ_1 for a given magnitude of H_0 in the case of $\text{Mn}(\text{NO}_3)_2$ gradually increased upon dilution:

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76969
SOV/56-37-6-9/55

approximately 50-60% with a change in the concentration by several moles up to 0.25 M. The anion had a small effect on the magnitude of this phenomenon. These data accord with the theory of S. A. Al'tshuler and K. A. Valiev (cf. Zhur. ekspl. i teoret. fiz., 35, 974, 1958). The text contains a diagram of the setup; 4 graphs; and 14 references, 10 Soviet, 1 Dutch, 1 U.K., 2 U.S. The U.K. and U.S. references are: (1) U. Opik, M. H. L. Pryce, Proc. Roy. Soc., A238, 425, 1957; (2) B. R. McGarvey. J. Phys. Chem., 61, 1232, 1957; (3) H. J. Mc Connell. J. Chem. Phys., 25, 709, 1956.

ASSOCIATION: Phys.-Tech. Inst. of the Kazan Branch of Acad. Sciences USSR (Fiziko-tehnicheskiy institut kazanskogo filiala Akademii nauk SSSR)

SUBMITTED: July 6, 1959

Card 4/4

BEYSOV, P.S.; VALKIN, M.Kh.; GUS'KOV, I.V.; KAZYUKHIN, V.V.; PUSHKAREVA,
G.V.; TOMUL', A.I.; KHAKHAM, Ya.M., tekhh. red.

[Ul'yanovsk, the native city of V.I.Lenin; notable places]
Ul'ianovsk - rodina V.I.Lenina; pamyatnye mesta. Ul'ianovsk,
Ul'ianovskoe knizhnoe izd-vo, 1963. 220 p. (MIRA 16:10)
(Ul'yanovsk--Lenin, Vladimir Il'ich, 1870-1924--Homes and haunts)
(Ul'yanovsk--Guidebooks)

KAZYULIN, A.F.

Radiation field in a distant zone in a uniform anisotropic medium
without losses. Radiotekh. i elektron. 9 no.10:1889-1891 O '64.
(MIRA 17:11)

KAZYULIN, A.F.

Effect of a plane gyrotropic layer on a radiation pattern.
Radiotekhnika i elektronika. 11 no.1:147-149 Ja '66.
(MIRA 19:1)

1. Submitted January 27, 1965.

KAZYULIN, A.F.

Theorem of reciprocity at a boundary-start problem of electrodynamics
for nonsteady-state processes in media with time dispersion. Radio-
tekhn. i elektron. 10 no.1:3-6 Ja '65.

(MIRA 18:2)

KAZYULIN, I.Ya.

More attention to the training of specialists. Avtom.telem.
i sviaz' 3 no.1:5 Ja '59. (MIRA 12:1)

1. Zamestitel' nachal'nika sluzhby signalizatsii i svyazi
Zabaykal'skoy dorogi.
(Railroads--Employees)

KAZYUTINSKIY, V.V.; NAZARCHUK, O.K.

Observations of Arend-Roland's comet (1956 h) in Kiev. Astron. tsir.
(MIRA 11:3)
no.183:2-3 Jl '57.

1. Kiyevskiy gosudarstvennyy universitet, kafedra astronomii.
(Comets--1956)

VSEKHSVYATSKIY, Sergey Konstantinovich [Vsekhsvists'kyi, S.K.], prof.;
KAZYUTINSKIY, V.Y. [Kaziutyns'kyi, V.V.], red.; YURASOV, V.G.
[Iurasov, V.H.], otv. za vypusak

[Contemporary science on the origin and evolution of celestial bodies; data for lectures] Suchasna nauka pro pokhodzhennia i rozvytok nebesnykh til; materialy do lektsii. Kyiv, 1958. 24 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.10, no.20).

(MIRA 14:1)

(Cosmogony)

AUTHOR:

Vsekhsvyatskiy, S.K., Babich, O.I. and
Kazyutinskiy, V.V.

33-35-3-16/27

TITLE:

On the Question Concerning the Capture Hypothesis of the
Formation of Short-Periodic Comets (K voprosu o gipoteze
obrazovaniya korotkoperiodicheskikh komet putem zakhvata)

PERIODICAL:

Astronomicheskiy zhurnal, 1958, Vol 35, Nr 3, pp 473-478 (USSR)

ABSTRACT:

The present paper has a polemic character. Starting from the capture hypothesis Shteyns [Ref 7] tried in 1957 to explain the absence of retrograde motions for short-periodic comets by their disintegration and obtained results contradictory to Newton's well-known results [Ref 8]. These contradictory results cause the authors to investigate the distribution of the captured orbits in the plane of the Jupiter orbit. It was supposed: A circular orbit for Jupiter, disturbances by the sun and other planets can be neglected etc. The method of Laplace (transition to the planetary-central motion) was used. The calculation of 216 orbits showed:

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parabolas $e = 0,98 \sim 1,05$	hyperbolas $e > 1,05$	ellipses $e < 0,98$
140 among them in the zone of visibility ($q = a(1-e) < 3$)	37	39
103 among them with direct motion	18	14
49 among them with retrograde motion	15	11
54	3	3

The authors use this table and the conclusions resulting from it in order to disprove the conclusions of Shteyns and simultaneously to prove the instability of the capture hypothesis (if this were true, then there must occur at least 10 short-periodic comets with retrograde motion in the Jupiter family, which is not the case as is well-known; a number of further similar arguments are presented). Finally the authors point to an oversight in the elaborations.

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On the Question Concerning the Capture Hypothesis
of the Formation of Short-Periodic Comets

33-35-3-16/27

of Shteyns.

There are 2 tables, 1 figure, and 11 references, 7 of which are
Soviet, 1 Polish, 2 English, and 1 American.

ASSOCIATION: Kafedra astronomii Kiyevskogo Gosudarstvennogo universiteta
(Chair of Astronomy at the Kiyev State University)

SUBMITTED: January 25, 1958

Card 3/3

VSEKHSVYATSKIY, Sergey Konstantinovich, prof.; KAZYUTINSKIY, Vadim Vasil'yevich, aspirant; AMBARTSUMYAN, V.A., akademik; KNYAZEVA, L., red.; KLIMOVA, T., tekhn. red.

[Birth of worlds; philosophical problems in modern cosmogony]
Rozhdenie mirov; filosofskie problemy sovremennoi kosmogonii.
Predisl. V.A. Ambartsumiana. Moskva, Gos. izd-vo polit. lit-ry,
1961. 173 p. (MIRA 14:10)

1. Kiyevskiy universitet (for Vsekhsvyatskiy, Kazyutinskiy).
(Cosmogony)

INOV, I.; KAZYUTINSKIY, V.

Eternal youth of the universe. Nauka i zhizn' 28 no.13:25-29 Ja
'61. (MIRA 14:1)
(Universe, Destruction of)

S/035/62/000/006/C01/064
A001/A101

AUTHOR: Kazyutinskiy, V. V.

TITLE: On development direction of cosmic objects

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 6, 1962, 3,
abstract 6A3 ("Nauchn. dokl. vyssh. shkoly. Filos. n.", 1961,
no. 4. 87-94)

TEXT: The problem of directivity of cosmogenic processes is considered.
The author arrives at the conclusion that development of cosmic objects includes
both "ascending" and "descending" branches, none of them being preferential. The
ascending branch in development of some object is followed by the descending one.
Metagalaxy is now developing along the ascending branch. The author defines
development as a process of irreversible qualitative alterations. Various view-
points on the relation of irreversibility and cyclicity in development of cosmic
systems in the Universe as a whole are considered.

I. Novikov

[Abstracter's note: Complete translation]

Card 1/1

KAZYUTINSKIY, V.V.

Infinity in modern cosmology. Priroda 54 no.9:72-74 S '65.

(MIRA 18:6)

I. Nauchnyy sovet po filosofskim voprosam yestestvoznaniya AN SSSR,
Moskva.

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